

## ABSTRACT

Methods and systems consistent with the present invention provide a Supernet, a private network constructed out of components from a public-network infrastructure. The Supernet provides flexible and dynamic mobility support. When a destination node moves to a new location, it automatically updates the sending nodes with its new IP address. The destination node can choose among a number of ways to update the sending nodes, providing flexibility not found in conventional networks. Thus, a node can change locations repeatedly and continue to communicate directly with other nodes without the use of a proxy or other middleman.

5

6004-0001-0000-0000

### LAW OFFICES

FINNEGAN, HENDERSON,  
FARABOW, GARRETT,  
& DUNNER, L.L.P.  
1300 I STREET, N. W.  
WASHINGTON, D. C. 20005  
202-408-4000